

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	((PEKKARINEN) near2 (ARI)). IN.	US- PGPUB; USPAT	AND	ON	2009/10/14 16:03
S2	1	((SAUKONOJA) near2 (PASI)). IN.	US- PGPUB; USPAT	AND	ON	2009/10/14 16:04
S4	1	S1 S2	US- PGPUB; USPAT	OR	ON	2009/10/14 16:05
S3	0	((JEKKONEN) near2 (JARI)). IN.	US- PGPUB; USPAT	AND	ON	2009/10/14 16:05
S5	2	("5889308" "6536913").did.	US- PGPUB; USPAT	OR	ON	2009/10/14 16:06
S16	51	S15 (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near5 (layer or plane or plate)) with (aperture or hole or cutout))	US- PGPUB; USPAT	AND	ON	2009/10/14 16:28
S15	171	(@AD<"20031210") ((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near5 (layer or plane or plate or film)) (((metal or conductiive or electroconductive) adj (material or layer or strip or plane or plate or film)) with ground\$3) (ground\$3 adj (layer or plane or plate or film))	US- PGPUB; USPAT	AND	ON	2009/10/14 16:28
S17	25	S15 (((metal or conductiive or electroconductive) adj (material or layer or strip or plane or plate)) with (aperture or hole or cutout))	US- PGPUB; USPAT	AND	ON	2009/10/14 16:29

S18	684	((@AD<"20031210") ((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive) near5 (layer or plane or plate or film)) (((metal or conductiive or electroconductive) adj (material or layer or strip or plane or plate or film)) with ground\$3)	US- PGPUB; USPAT	AND	ON	2009/10/14 16:30
S20	21	S15 ((light adj emitting adj diode) or LED)	US- PGPUB; USPAT	AND	ON	2009/10/14 16:35
S19	90	S18 ((light adj emitting adj diode) or LED)	US- PGPUB; USPAT	AND	ON	2009/10/14 16:35
S23	757	((@AD<"20031210") (transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive or transponder) (((metal or conductiive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat \$3)) near5 (ground\$3 or shield\$3)) ((light adj emitting adj diode) or LED)	US- PGPUB; USPAT	AND	ON	2009/10/15 08:20
S25	223	((@AD<"20031210") ((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive or transponder) near5 surface) (((metal or conductiive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat \$3)) near5 (ground\$3 or shield\$3)) ((light adj emitting adj diode) or LED)	US- PGPUB; USPAT	AND	ON	2009/10/15 08:23

S27	6	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive or transponder) near5 surface) with (((metal or conductiive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat \$3)) near5 (ground\$3 or shield\$3))) ((light adj emitting adj diode) or LED) (ground\$3 or shield\$3)	US- PGPUB; USPAT	AND	ON	2009/10/15 08:35
S28	5	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive or transponder) near5 surface) with (((metal or conductiive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat \$3)) near5 (ground\$3 or shield\$3))) ((light adj emitting adj diode) or LED) (ground\$3)	US- PGPUB; USPAT	AND	ON	2009/10/15 08:46
S29	4	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive or transponder) near5 surface) with (((metal or conductiive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat \$3)) near5 (ground\$3 or shield\$3))) ((light adj emitting adj diode) or LED) ((material or layer or strip or plane or plate or film or coat \$3) near2 (ground\$3 or shield \$3))	US- PGPUB; USPAT	AND	ON	2009/10/15 08:49

S30	3	S28 S29	US-PGPUB; USPAT	AND	ON	2009/10/15 08:57
S31	191	((@AD<"20031210") ((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive or transponder) near5 surface) (((metal or conductiive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat \$3)) near5 (ground\$3 or shield\$3)) ((light adj emitting adj diode) or LED) ((material or layer or strip or plane or plate or film or coat\$3) near2 (ground\$3 or shield\$3))	US-PGPUB; USPAT	AND	ON	2009/10/15 09:02
S32	94	((@AD<"20031210") ((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive or transponder) near5 surface) (((metal or conductiive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat \$3)) near5 (ground\$3 or shield\$3)) ((light adj emitting adj diode) or LED) ((material or layer or strip or plane or plate or film or coat\$3) near2 (ground\$3 or shield\$3))) not (light adj shielding)	US-PGPUB; USPAT	AND	ON	2009/10/15 09:08
S33	47	((@AD<"20031210") ((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive or transponder) near5 surface) (((metal or conductiive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat	US-PGPUB; USPAT	AND	ON	2009/10/15 10:11

		\$3)) near5 (ground\$3 or shield\$3)) ((light adj emitting adj diode) or LED) ((layer or strip or plane or plate) near2 (ground\$3))) not (light adj shielding)				
S35	3140	(@AD<"20031210") ((transparent or illuminat\$3 or light\$3) near2 (keypad or keyboard or (key adj (pad or board)) or key)) ((light adj emitting adj diode) or LED)	US-PGPUB; USPAT	AND	ON	2009/10/15 15:06
S34	7408	(@AD<"20031210") ((transparent or illuminat\$3 or light\$3) near2 (keypad or keyboard or (key adj (pad or board)) or key))	US-PGPUB; USPAT	AND	ON	2009/10/15 15:06
S38	7	S35 S37	US-PGPUB; USPAT	AND	ON	2009/10/15 15:22
S37	9935	(@AD<"20031210") (transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive or transponder) (((metal or conductive or electroconductive) near2 (material or layer or strip or plane or plate or film or coat \$3)) near5 ((conducting adj light) or transparent))	US-PGPUB; USPAT	AND	ON	2009/10/15 15:22
S47	7	S38 key	US-PGPUB; USPAT	AND	ON	2009/10/15 16:12
S46	2	S38 keypad key	US-PGPUB; USPAT	AND	ON	2009/10/15 16:12

S48	18	(US-5889308-\$ or US-6536913-\$ or US-5977718-\$ or US-5696372-\$ or US-3843851-\$ or US-6331063-\$ or US-6444379-\$ or US-5216466-\$ or US-4542317-\$ or US-4509824-\$ or US-7388569-\$ or US-4783651-\$ or US-6480250-\$ or US-6399903-\$ or US-6958796-\$ or US-7053799-\$ or US-6648530-\$ or US-6563435-\$). did.	USPAT	AND	ON	2009/10/15 16:49
S49	533	361/816,680,682.cor. 362/237.cor. 341/34.cor.	US- PGPUB; USPAT	OR	ON	2009/10/15 17:16
S50	4	S23 S49	US- PGPUB; USPAT	AND	ON	2009/10/15 17:20
S51	1	("6331063".pn.)	US- PGPUB; USPAT	AND	ON	2010/03/07 15:59
S54	1	S51 ("12" same ground\$3)	US- PGPUB; USPAT	AND	ON	2010/03/07 16:00
S55	1	S51 (hole or aperture or window or cutout or recess)	US- PGPUB; USPAT	AND	ON	2010/03/07 16:06
S57	113	((@AD< "20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near5 (layer or plane or plate or film)) near5 (hole or window or recess or cutout)) (((metal or conductiive or electroconductive) adj (material or layer or strip or plane or plate or film or coating)) with ground\$3)	US- PGPUB; USPAT	AND	ON	2010/03/07 16:25

S59	9905	(@AD<"20031210") (((transparent or clear or (photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive) near5 (layer or plane or plate or film)) near5 (hole or window or recess or cutout))	US- PGPUB; USPAT	AND	ON	2010/03/07 16:44
S58	2325	(@AD<"20031210") (((transparent or clear or (photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive) near5 (layer or plane or plate or film)) near5 (hole or window or recess or cutout)) ((light adj emitting adj diode) or LED)	US- PGPUB; USPAT	AND	ON	2010/03/07 16:44
S60	213	(@AD<"20031210") (((transparent or clear or (photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive) near3 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) (((light adj emitting adj diode) or LED) near5 (hole or window or recess or cutout))	US- PGPUB; USPAT	AND	ON	2010/03/07 16:46
S62	177	(@AD<"20031210") (((transparent or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) (((light adj emitting adj diode) or LED) near5 (hole or window or recess or cutout))	US- PGPUB; USPAT	AND	ON	2010/03/07 16:52

S63	35	(@AD<"20031210") (((transparent or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) adj (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) (((light adj emitting adj diode) or LED) near5 (hole or window or recess or cutout))	US-PGPUB; USPAT	AND	ON	2010/03/07 16:54
S64	4486	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout))	US-PGPUB; USPAT	AND	ON	2010/03/07 17:27
S65	1316	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) ((conductive or metal) near5 (hole or window or recess or cutout))	US-PGPUB; USPAT	AND	ON	2010/03/07 17:28
S66	36	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) ((conductive or metal) near5 (hole or window or recess or cutout) near5 ground\$3)	US-PGPUB; USPAT	AND	ON	2010/03/07 17:29



S67	47	((@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) ((conductive or metal) near5 (sidewall or side) near3 (hole or window or recess or cutout))	US- PGPUB; USPAT	AND	ON	2010/03/08 09:07
S68	10	((@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) adj (layer or plane or plate)) near3 (hole or window or recess or cutout)) ((conductive or metal) near5 (sidewall or side) near3 (hole or window or recess or cutout))	US- PGPUB; USPAT	AND	ON	2010/03/08 10:01
S72	3	S67 S71	US- PGPUB; USPAT	AND	ON	2010/03/08 10:07
S71	525	((@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) (((conduct\$3 or metal) with ground\$3) or (ground\$3 adj (plane or plate or layer)))	US- PGPUB; USPAT	AND	ON	2010/03/08 10:07
S78	2	S71 S76	US- PGPUB; USPAT	AND	ON	2010/03/08 10:10
S76	29	S73 S74 S75	US- PGPUB; USPAT	OR	ON	2010/03/08 10:10

S75	11	(US-20040085859-\$ or US-20020113934-\$ or US-20040067015-\$ or US-20010049207-\$).did. or (US-3881921-\$ or US-5461377-\$ or US-3869637-\$ or US-5349346-\$ or US-7025511-\$ or US-5105238-\$ or US-5060595-\$).did.	US-PGPUB; USPAT	AND	ON	2010/03/08 10:10
S74	7	(US-7388569-\$ or US-5977718-\$ or US-5696372-\$ or US-5889308-\$ or US-6331063-\$ or US-6536913-\$ or US-7053799-\$).did.	USPAT	AND	ON	2010/03/08 10:10
S73	18	(US-5889308-\$ or US-6536913-\$ or US-5977718-\$ or US-5696372-\$ or US-3843851-\$ or US-6331063-\$ or US-6444379-\$ or US-5216466-\$ or US-4542317-\$ or US-4509824-\$ or US-7388569-\$ or US-4783651-\$ or US-6480250-\$ or US-6399903-\$ or US-6958796-\$ or US-7053799-\$ or US-6648530-\$ or US-6563435-\$).did.	USPAT	AND	ON	2010/03/08 10:10
S79	130568	((@AD<"20031210")(((conduct\$3 or metal or electrode or trace) near5 ground\$3) or (ground\$3 adj (plane or plate or layer))))	US-PGPUB; USPAT	AND	ON	2010/03/08 10:12
S80	12	S76 S79	US-PGPUB; USPAT	AND	ON	2010/03/08 10:13
S82	1	S75 S79	US-PGPUB; USPAT	AND	ON	2010/03/08 10:15
S83	31279	((@AD<"20031210") (ground \$3 adj (plane or plate or layer))	US-PGPUB; USPAT	AND	ON	2010/03/08 10:17
S85	4	S76 S83	US-PGPUB; USPAT	AND	ON	2010/03/08 10:18

S86	1	("20010049207".pn.) (((transparent or clear or (photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near2 (layer or plane or plate or film)) near3 ("3" or "3A" or "3B"))	US- PGPUB; USPAT	AND	ON	2010/03/08 11:06
S88	2	S75 ground\$3	US- PGPUB; USPAT	AND	ON	2010/03/08 11:10
S89	1	("20040067015".pn.) ((transparent or clear or (photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticconductive or opticalconductive) near5 ("212" or "282" or "340" or "340A" or "320" or "221" or "42" or "10" or "246" or "170" or "110" or "110A" or "112"))	US- PGPUB; USPAT	AND	ON	2010/03/08 11:24
S90	1	("2004/0067015").URPN.	USPAT	AND	ON	2010/03/08 11:54
S91	15	(US-20040085859-\$ or US- 20020113934-\$ or US- 20040067015-\$ or US- 20010049207-\$).did. or (US- 3881921-\$ or US-5461377-\$ or US-3869637-\$ or US- 5349346-\$ or US-7025511-\$ or US-5105238-\$ or US- 5060595-\$ or US-5977718-\$ or US-3843851-\$ or US- 6331063-\$ or US-7553088-\$). did.	US- PGPUB; USPAT	AND	ON	2010/03/08 11:55
S92	30	S73 S74 S91	US- PGPUB; USPAT	OR	ON	2010/03/08 11:56
S94	4	S92 (ground\$3 adj (plane or layer or plate))	US- PGPUB; USPAT	AND	ON	2010/03/08 11:57
S95	0	S92 ((ground\$3 adj (plane or layer or plate)) with (shield\$3 or noise))	US- PGPUB; USPAT	AND	ON	2010/03/08 11:58

S96	22	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) ((((conduct\$3 or metal) with ground\$3) or (ground\$3 adj (plane or plate or layer))) with (shield\$3 or noise))	US- PGPUB; USPAT	AND	ON	2010/03/08 11:59
S97	0	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) ((ground \$3 adj (plane or plate or layer)) with (shield\$3 or noise))	US- PGPUB; USPAT	AND	ON	2010/03/08 12:01
L1	962	361/816,680,682.cor. 341/34. cor. 29/846.cor.	US- PGPUB; USPAT	OR	ON	2010/03/09 14:40
L2	22	(@AD<"20031210") (((transparent or clear or ((photo or light or optic or optical) adj conductive) or photoconductive or lightconductive or opticonductive or opticalconductive) near2 (layer or plane or plate or film)) near3 (hole or window or recess or cutout)) ((((conduct\$3 or metal) with ground\$3) or (ground\$3 adj (plane or plate or layer))) with (shield\$3 or noise))	US- PGPUB; USPAT	AND	ON	2010/03/09 14:42
L3	0	1 2	US- PGPUB; USPAT	AND	ON	2010/03/09 14:44

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